

We claim:

1. An isolated RNA molecule encoding protein or polypeptide of a grapevine leafroll virus (type 2).
2. The isolated RNA molecule according to claim 1, wherein the protein or polypeptide is selected from a group consisting of a polyprotein, an RNA-dependent RNA polymerase, a heat shock 70 protein, a heat shock 90 protein, a diverged coat protein, and a coat protein.
3. An isolated DNA molecule encoding a protein or polypeptide of a grapevine leafroll virus (type 2).
4. The isolated DNA molecule according to claim 3, wherein the protein or polypeptide is selected from a group consisting of a polyprotein, an RNA-dependent RNA polymerase, a heat shock 70 protein, a heat shock 90 protein, a diverged coat protein, and a coat protein.
5. An expression system comprising a DNA molecule according to claim 3 in a vector heterologous to the DNA molecule.
6. The expression system according to claim 5, wherein the protein or polypeptide is selected from a group consisting of a polyprotein, an RNA-dependent RNA polymerase, a heat shock 70 protein, a heat shock 90 protein, a diverged coat protein, and a coat protein.
7. A host cell transformed with a heterologous DNA molecule according to claim 3.
8. The host cell according to claim 7, wherein the host cell is selected from the group consisting of *Agrobacterium vitis* and *Agrobacterium tumefaciens*.
9. The host cell according to claim 7, wherein the host cell is selected from a group consisting of a grape cell, a citrus cell, a beet cell, and a tobacco cell.
10. The host cell according to claim 7, wherein the protein or polypeptide is selected from a group consisting of a polyprotein, an RNA-dependent RNA-polymerase, a heat shock 70 protein, a heat shock 90 protein, a diverged coat protein, and a coat protein.

